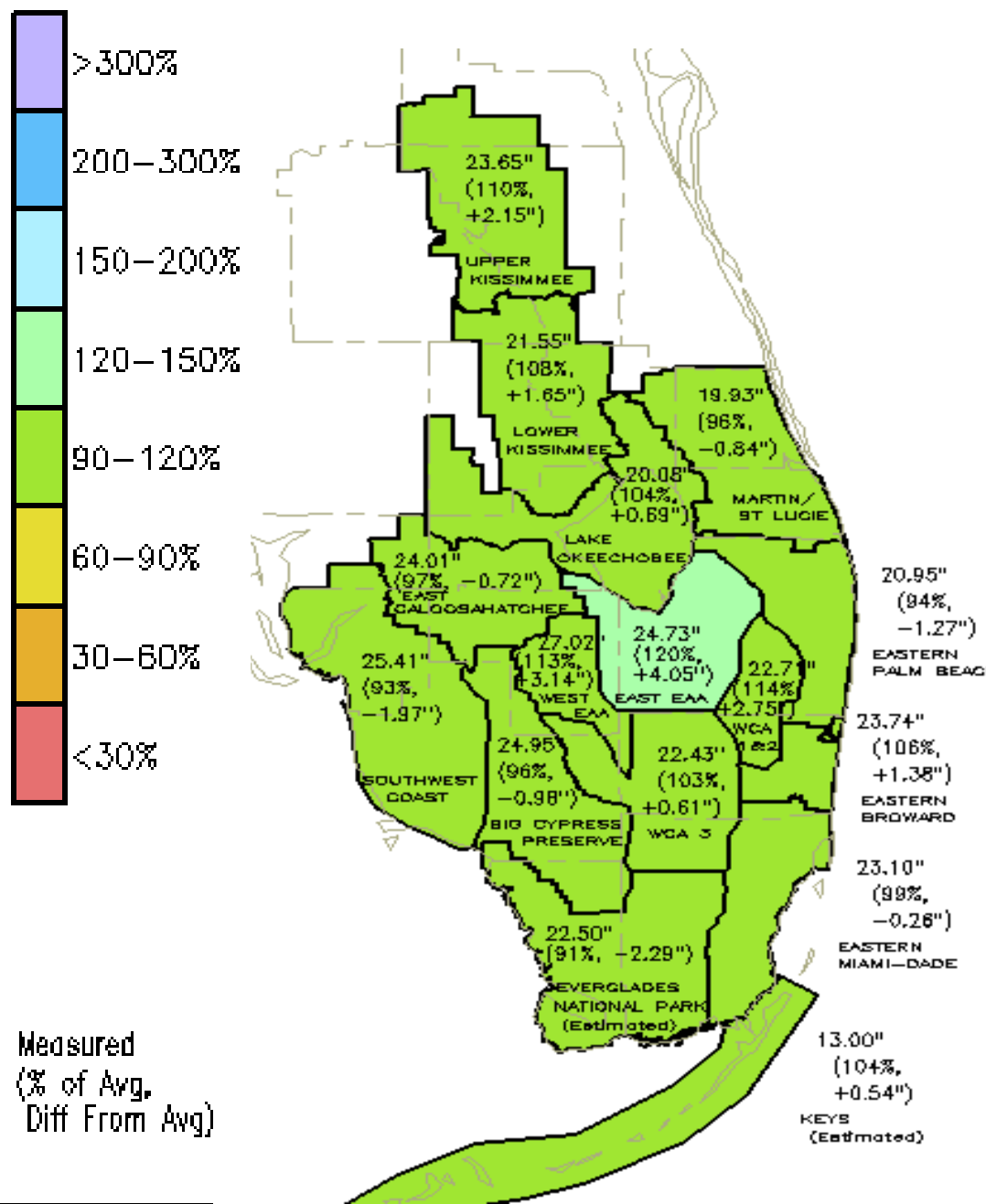


Water Conditions Report

September 9, 2009

Susan Sylvester
Department Director, Operations Control



Wet Season

June 1 – Aug 31

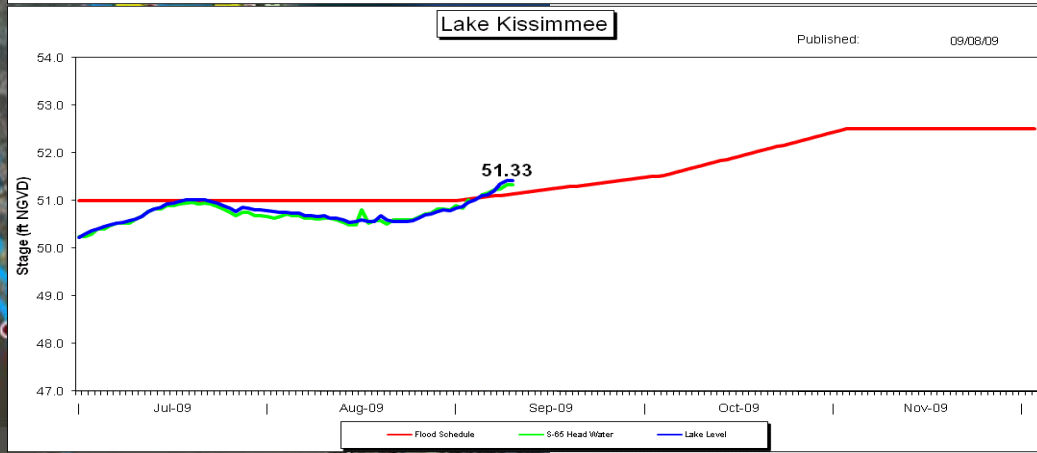
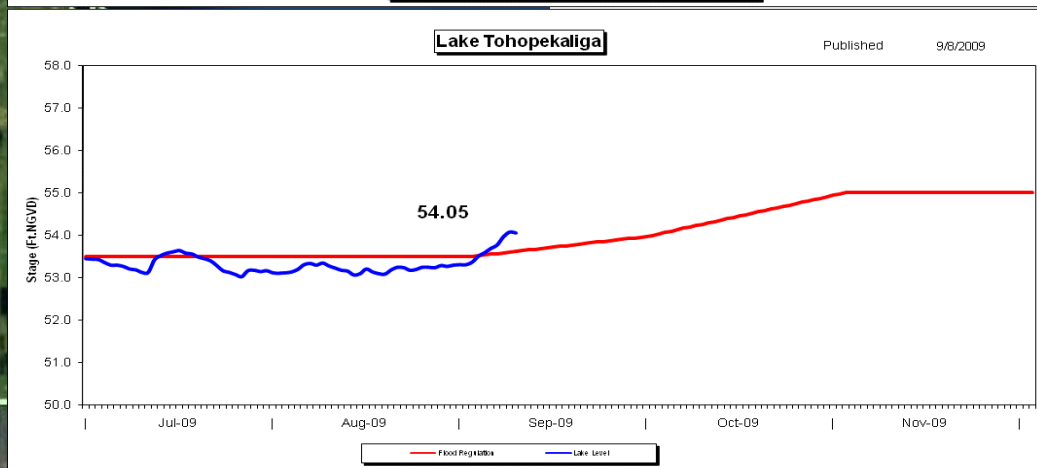
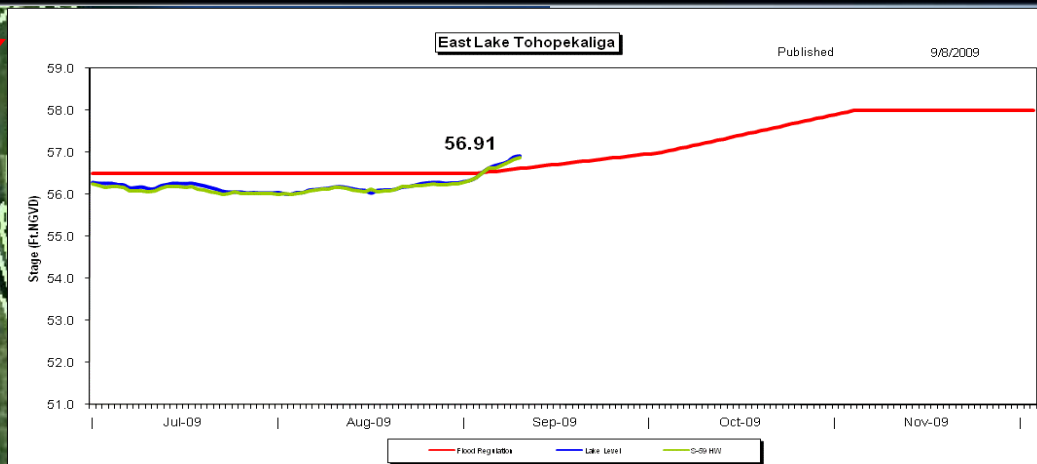
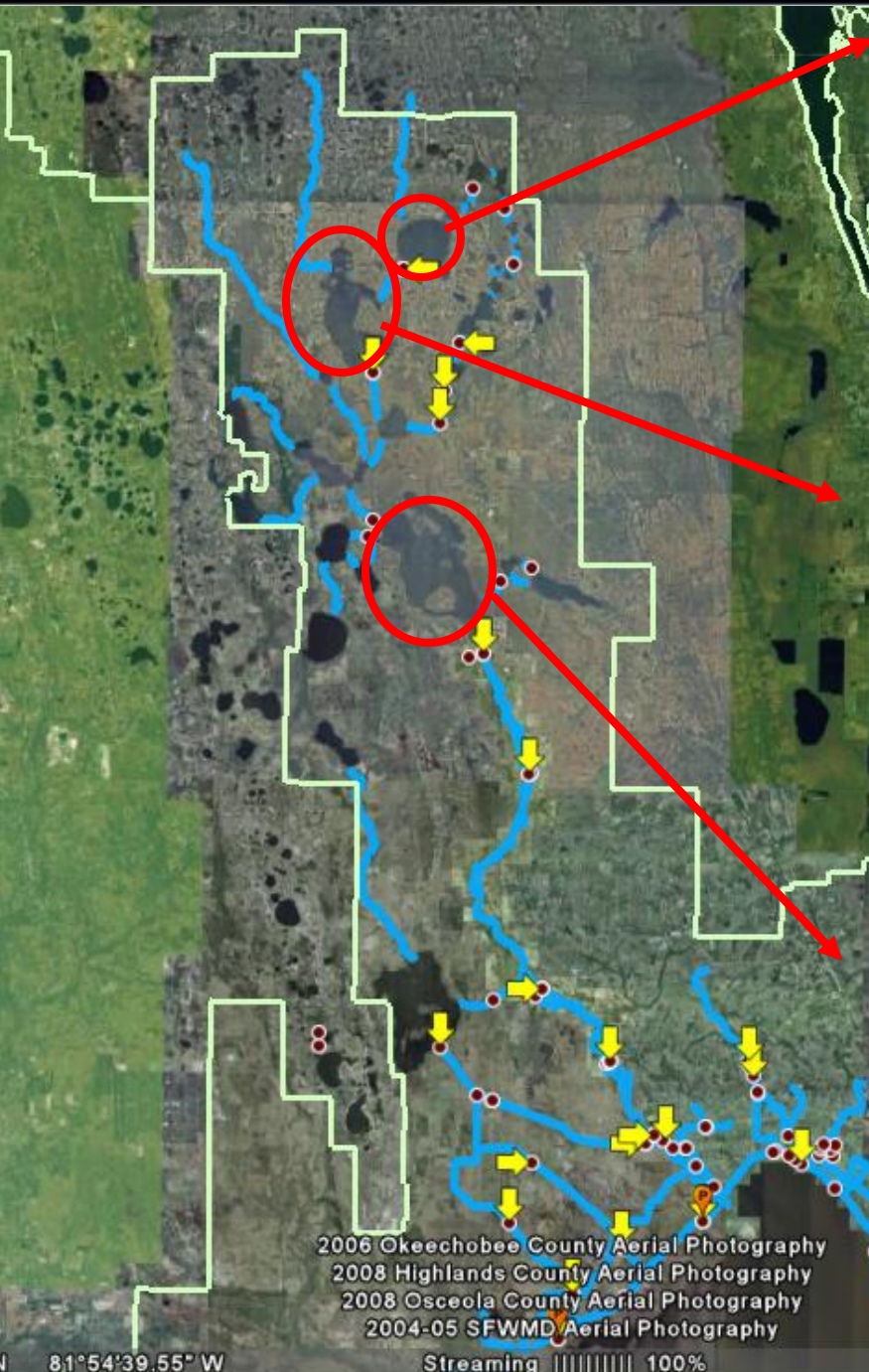
District wide 23.02 inches

**103% of Normal or
+ 0.62 inches**

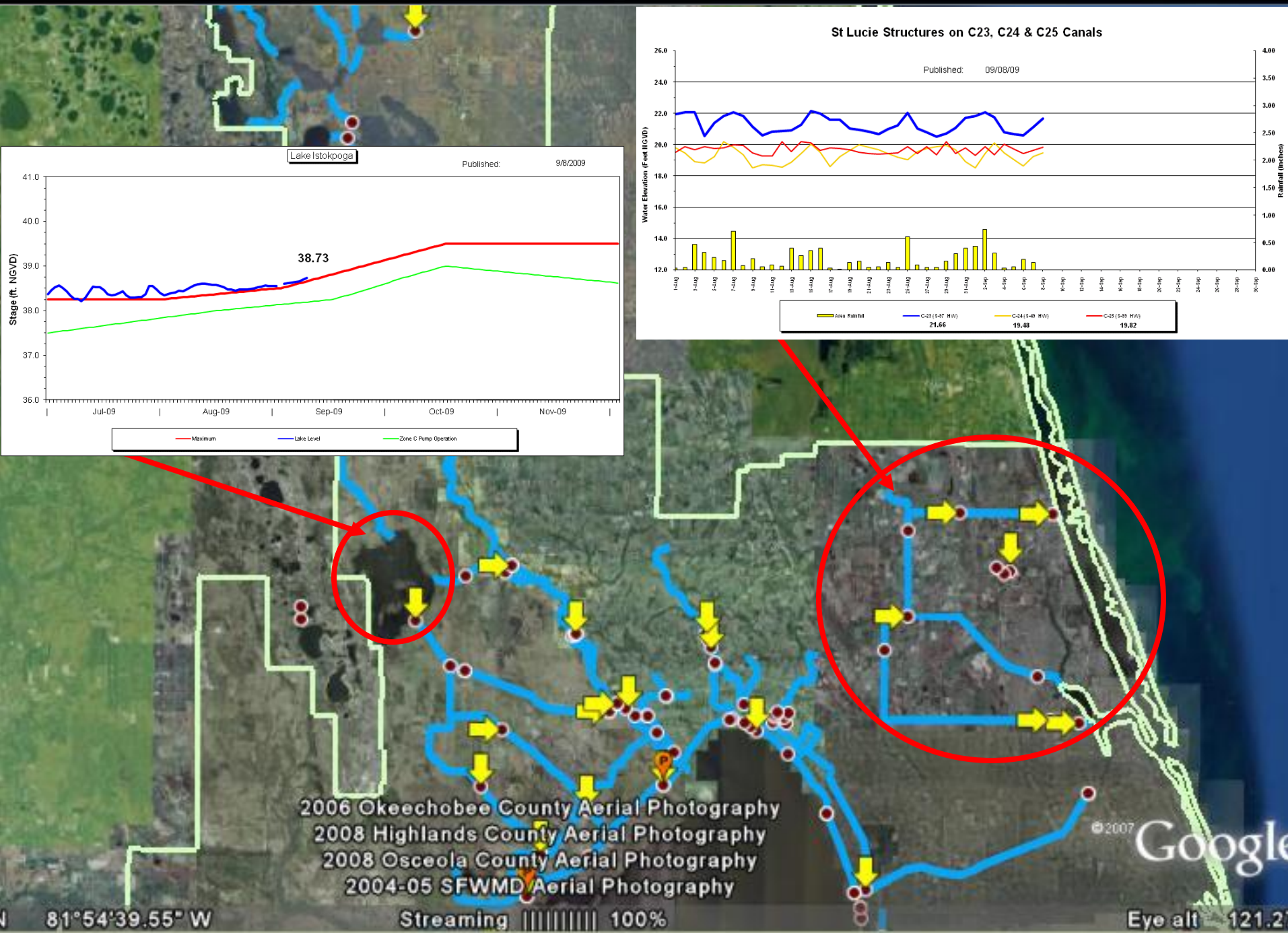
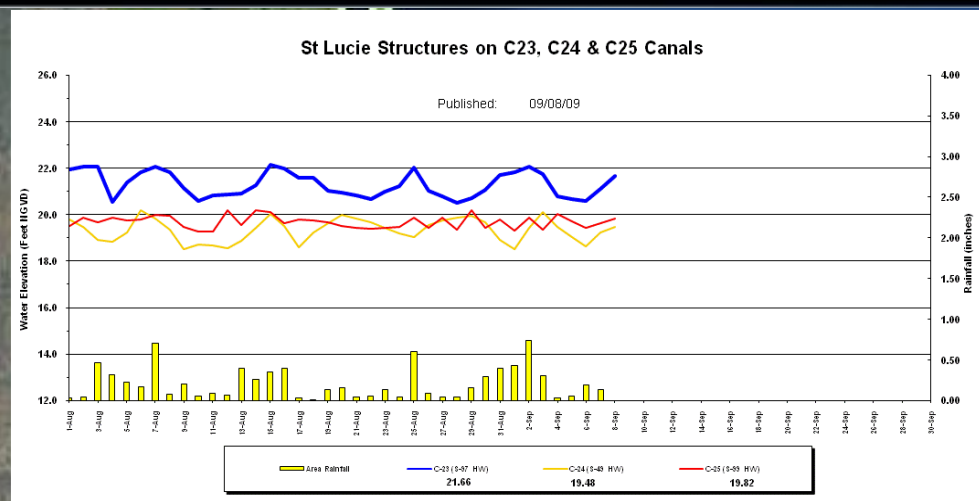
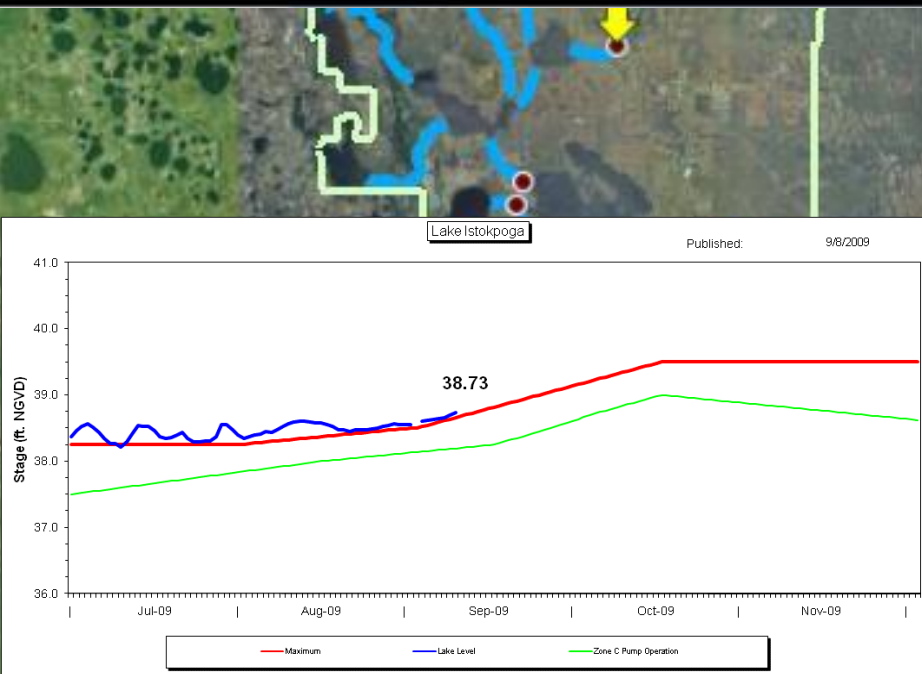
May 11 – Sept 8

**Averaged about 34.5"
128% of average since
Normal Jun – Oct
34 inches**

SOUTH FLORIDA WATER MANAGEMENT DISTRICT



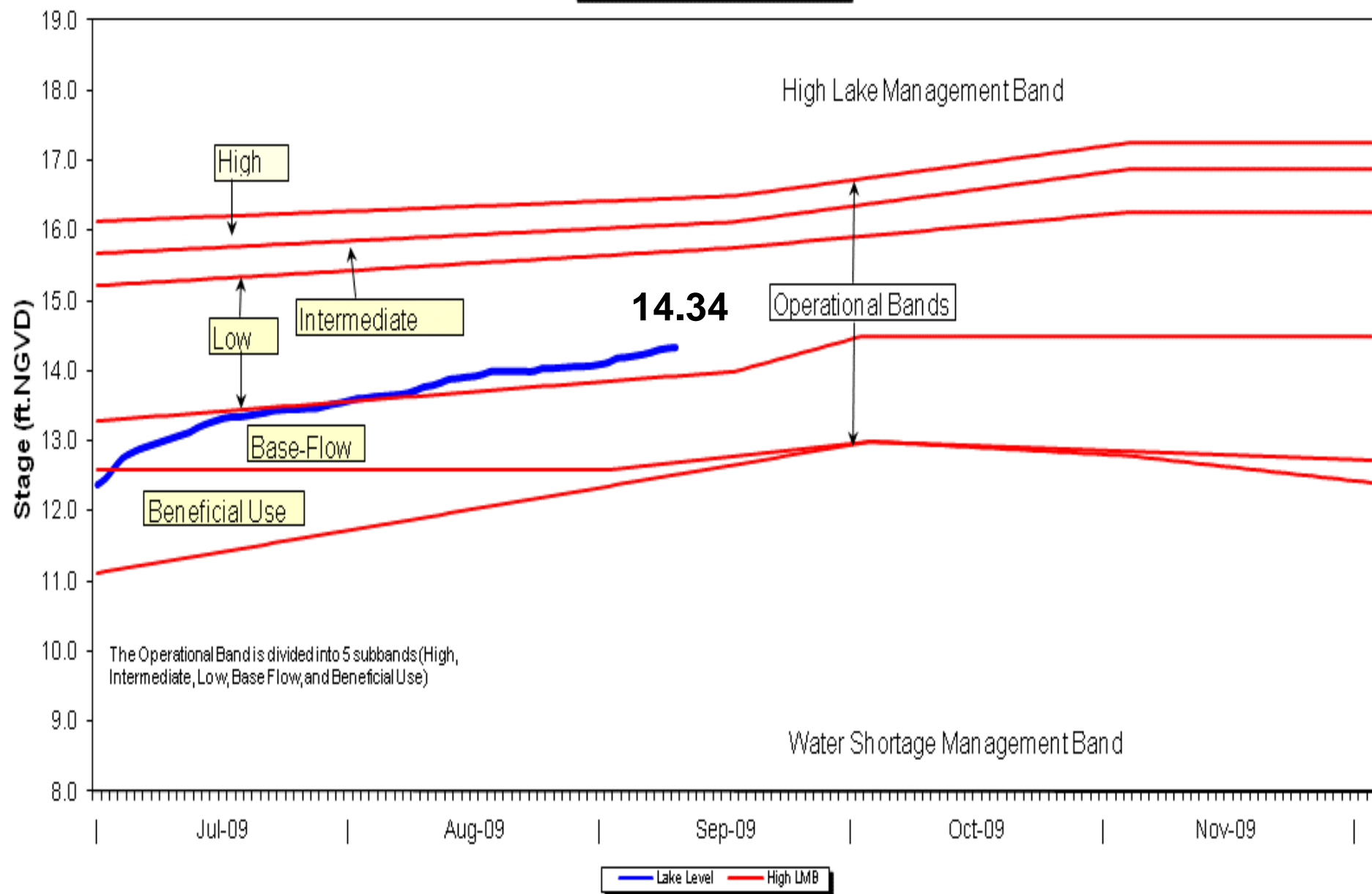
SOUTH FLORIDA WATER MANAGEMENT DISTRICT

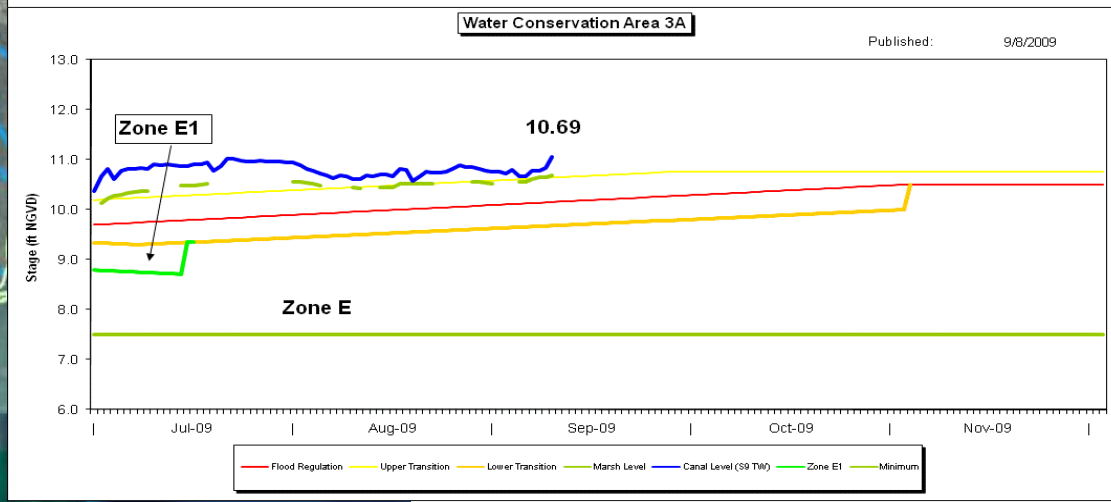
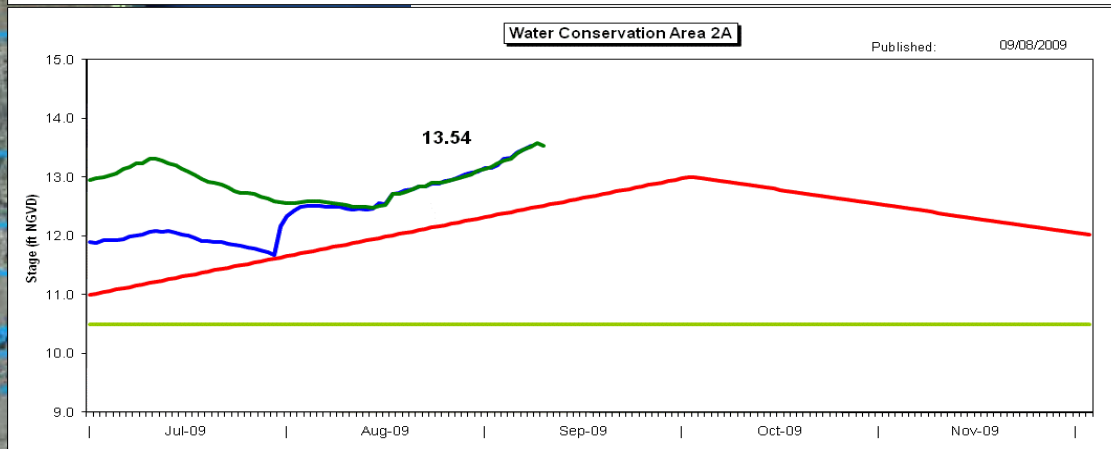
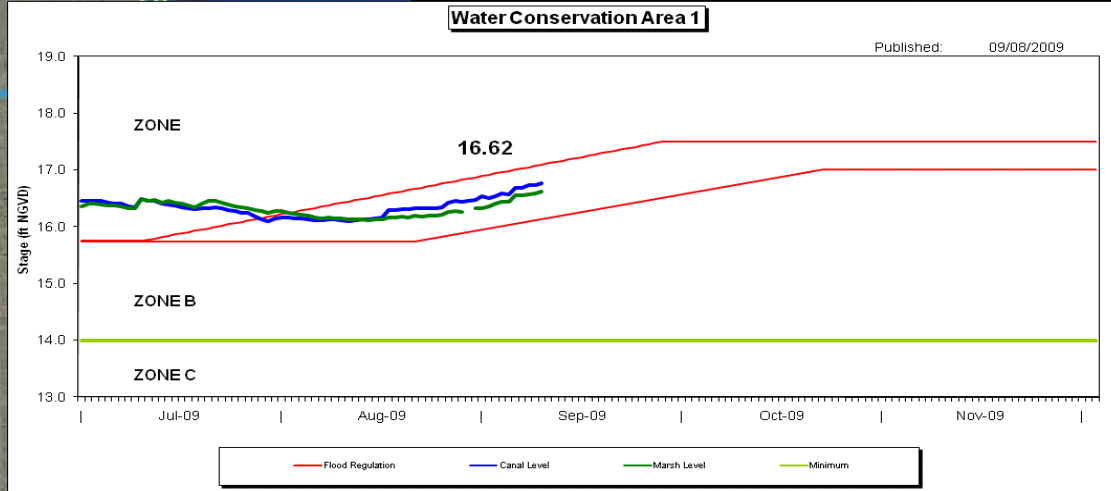


Lake Okeechobee

Published:

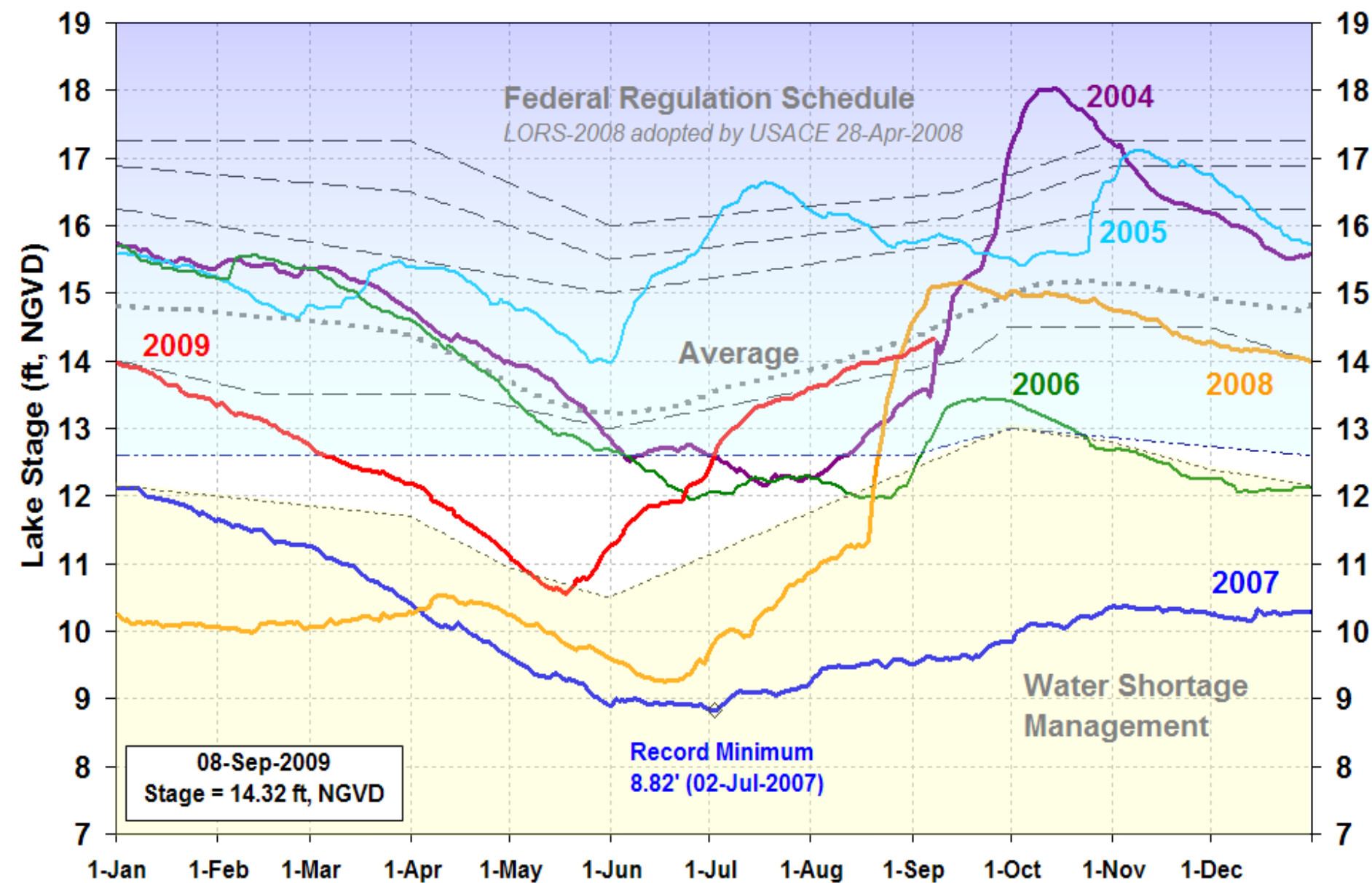
9/8/2009





Lake Okeechobee Stage Hydrograph Comparison

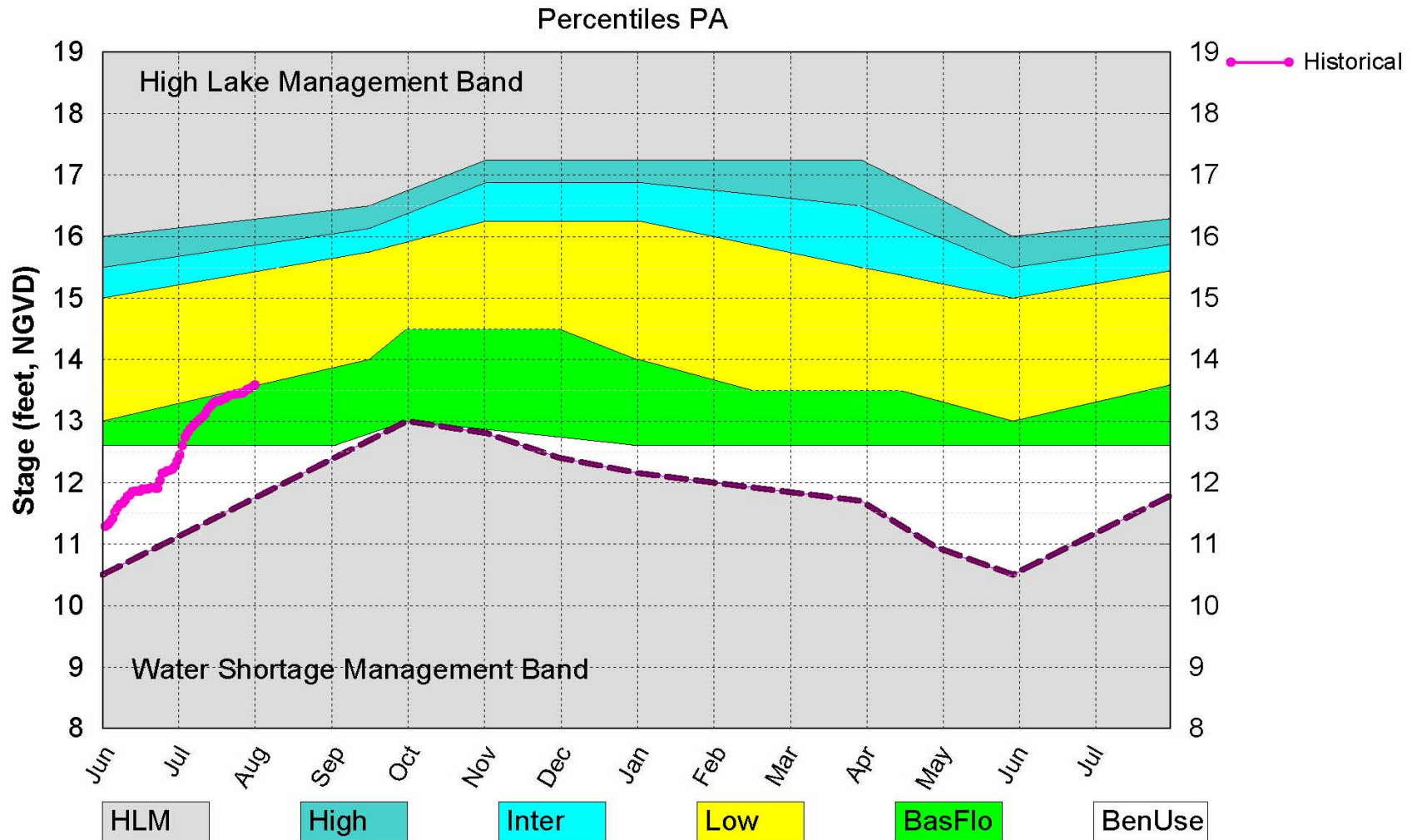
-- Average(1965-2006) 2004 2005 2006 2007 2008 2009



How will Lake Okeechobee stages behave for the remainder of the wet season?

- **Depends on rainfall**
- **Projections provided monthly by SFWMD Hydrologic and Environmental Systems Modeling (HESM) Department**
- **Position Analysis**
 - **Each year starts with current hydrologic conditions**
 - **41 1-yr simulations of system response to historical rainfall conditions**
 - **Statistical summaries used to display projections**

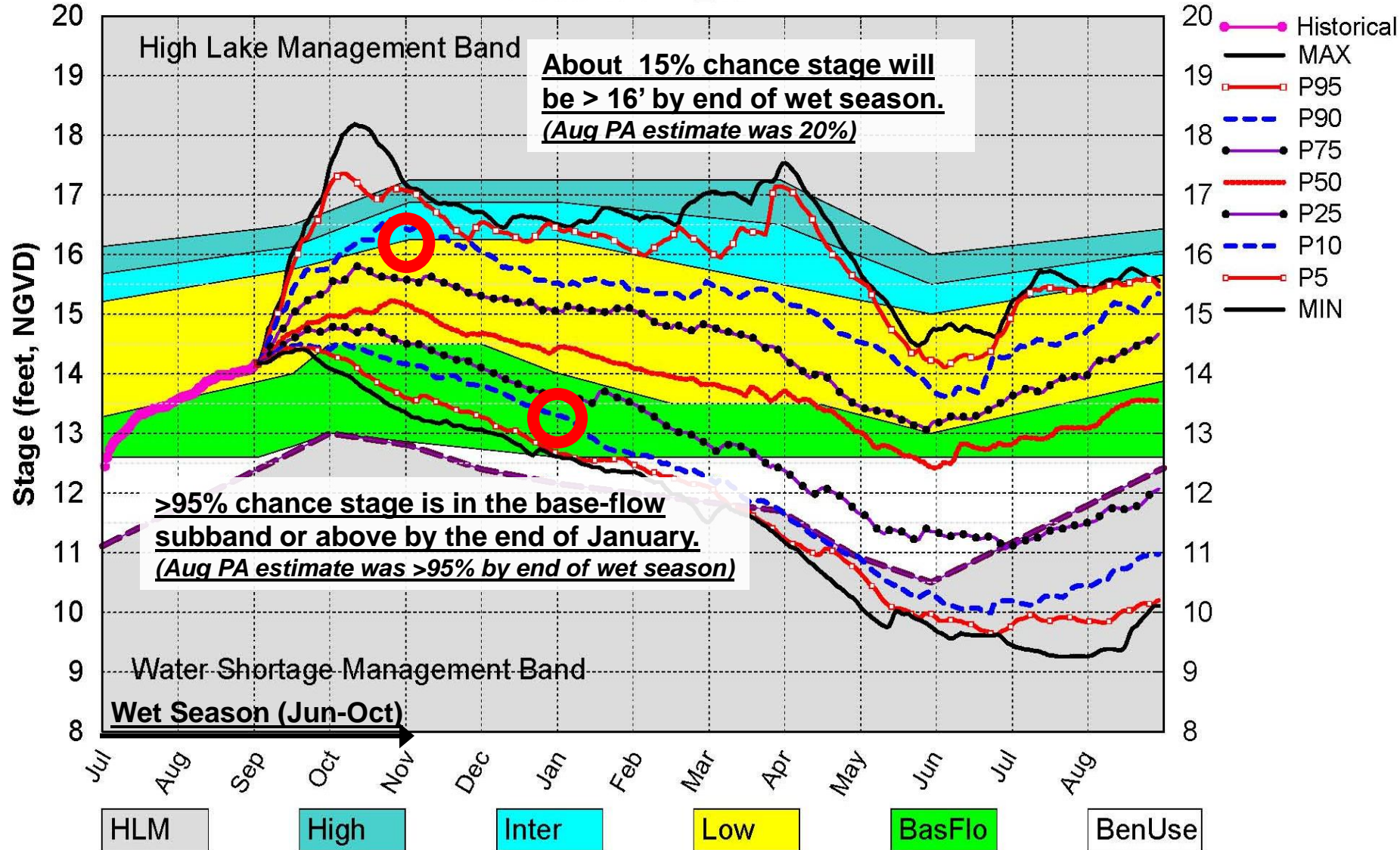
Lake Okeechobee SFWMM August 2009 Position Analysis



(See assumptions on the Position Analysis Results website)

Lake Okeechobee SFWMM September 2009 Position Analysis

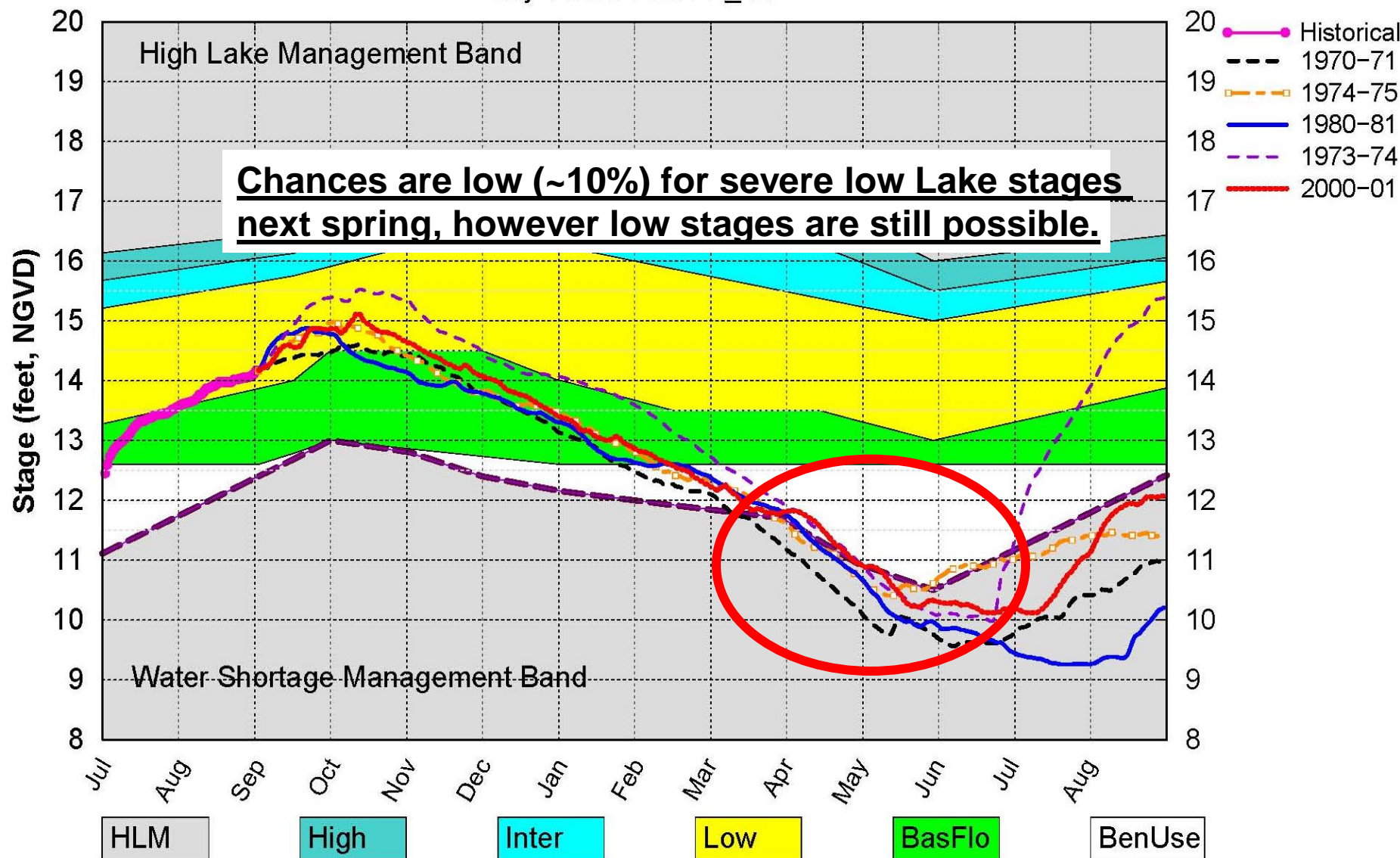
Percentiles PA_V5



(See assumptions on the Position Analysis Results website)

Lake Okeechobee SFWMM September 2009 Position Analysis

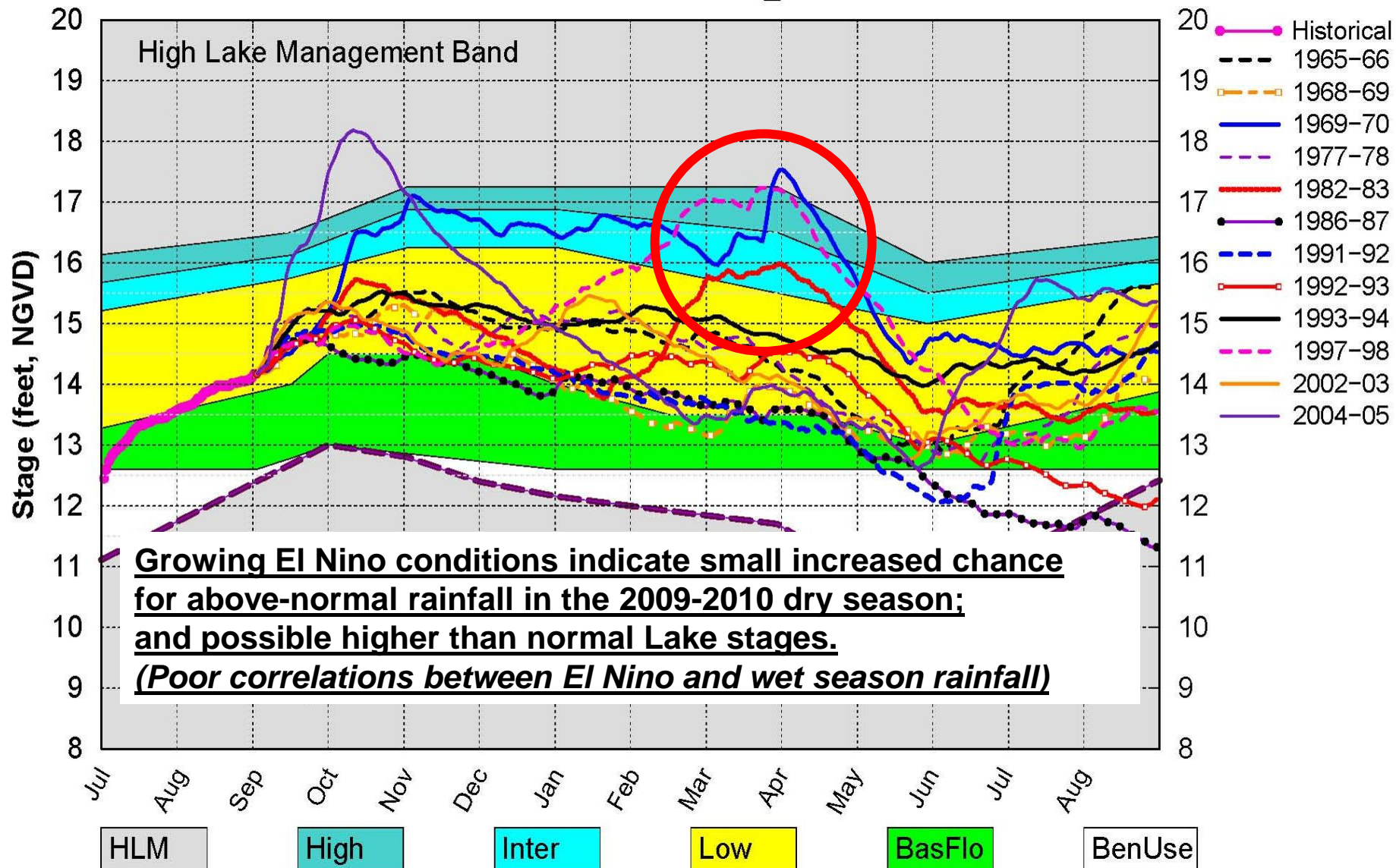
Dry Years Plot PA_V5



(See assumptions on the Position Analysis Results website)

Lake Okeechobee SFWMM September 2009 Position Analysis

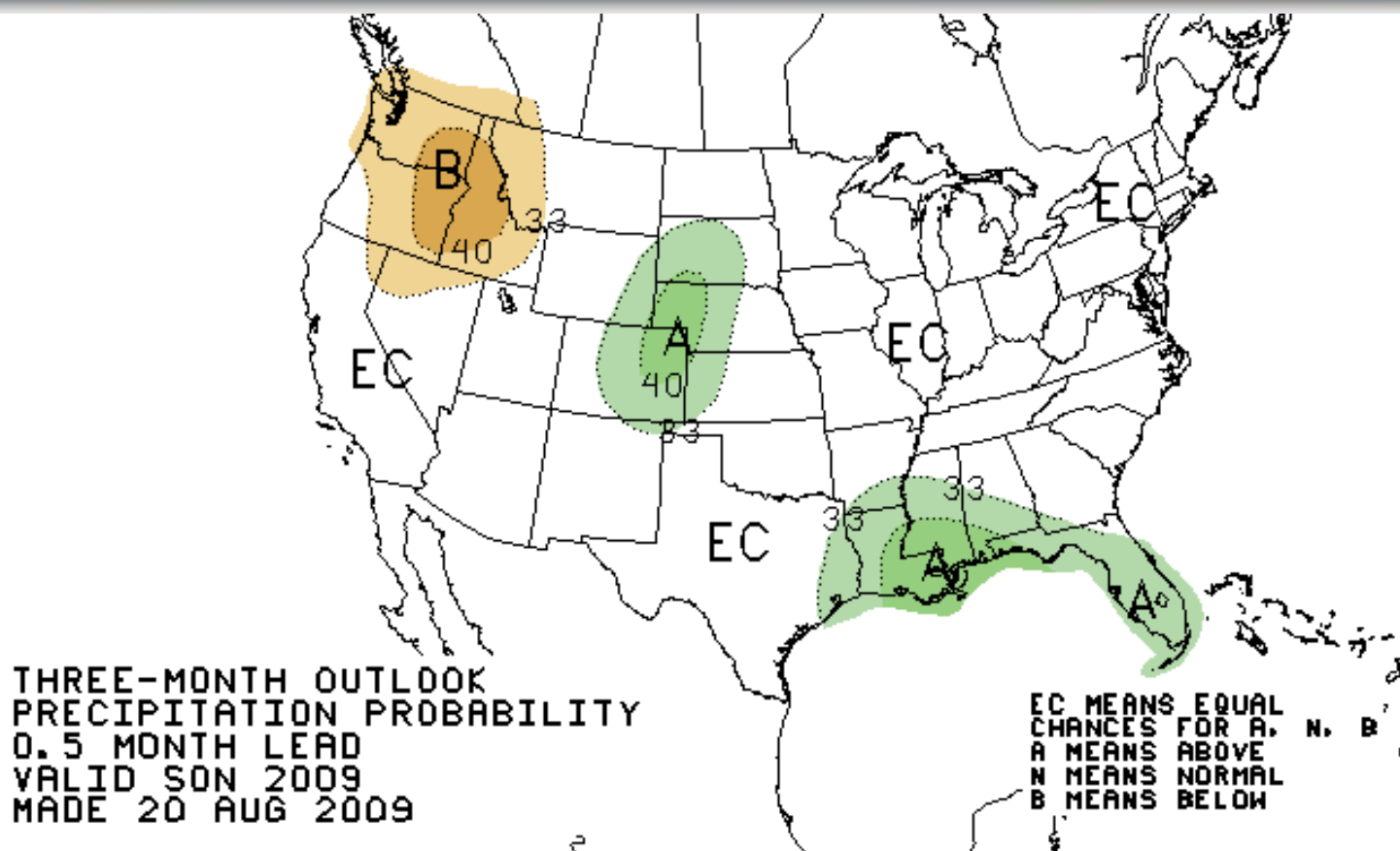
All El Nino Years Plot PA_V5



(See assumptions on the Position Analysis Results website)

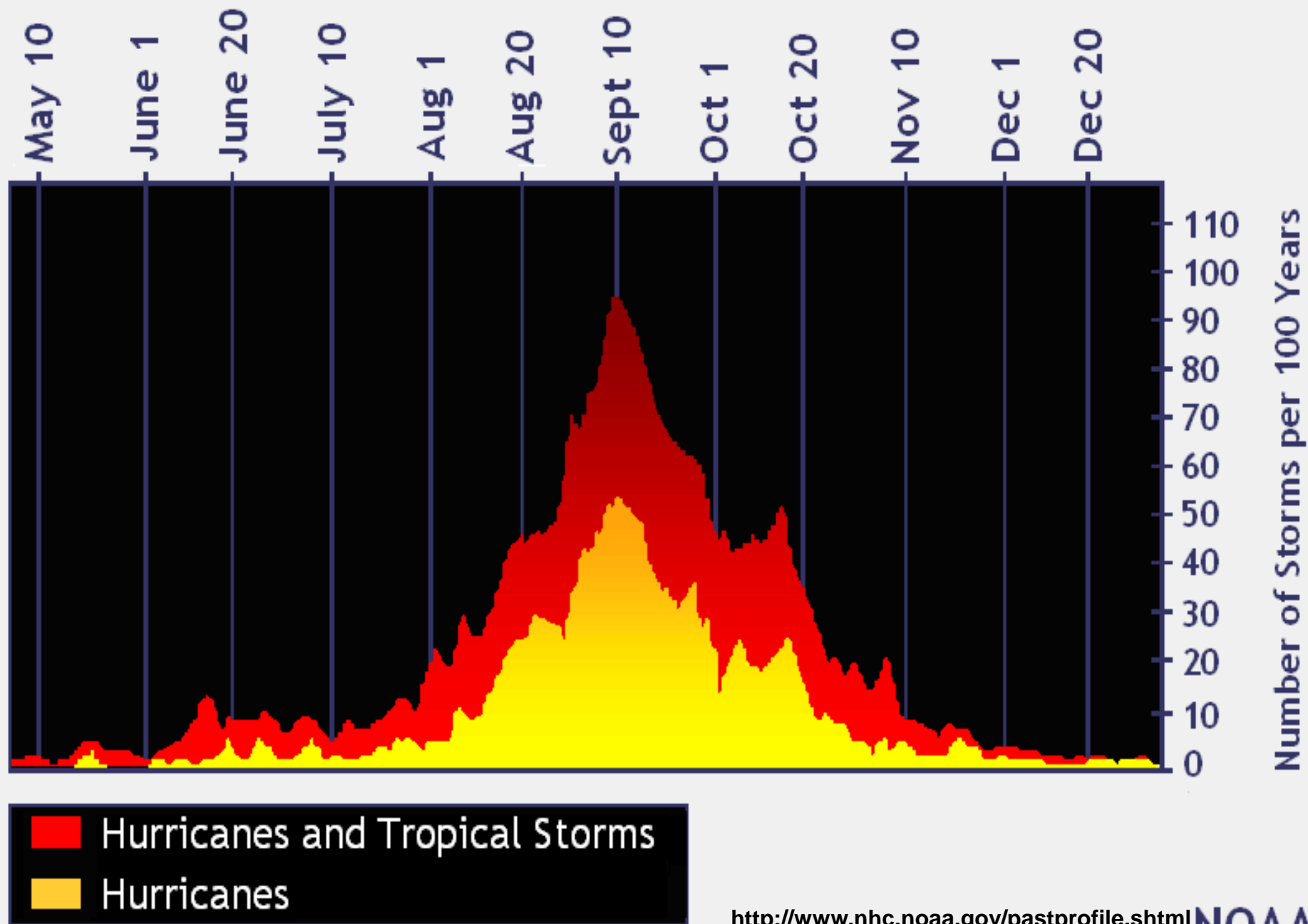
Seasonal Precipitation Outlook

National Climate Prediction Center (CPC)



The CPC outlook for Sept-Oct-Nov shows higher chances for above normal rainfall conditions.

[3-month outlook](#)



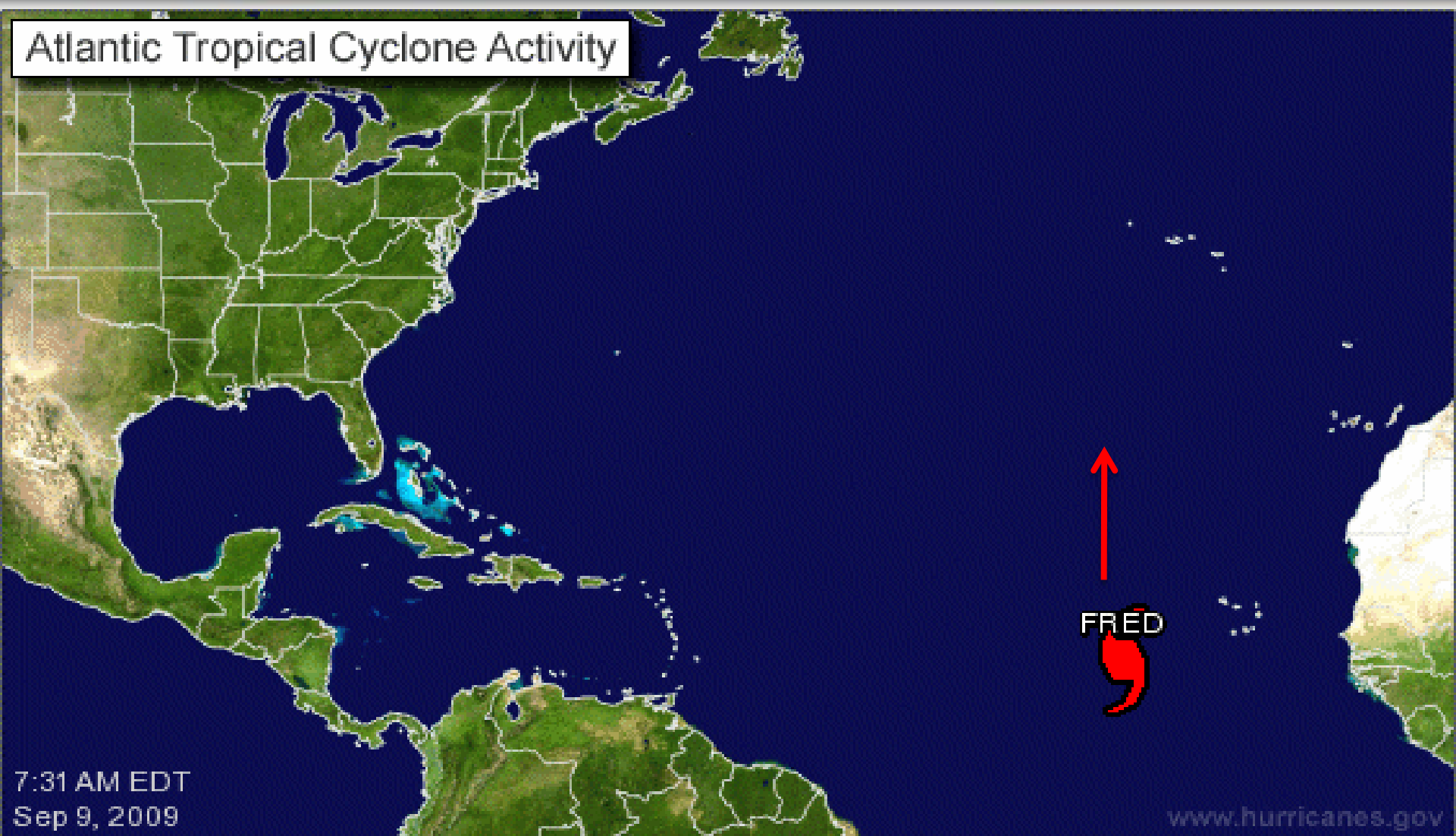


Graphical Tropical Weather Outlook

National Hurricane Center Miami, Florida



Atlantic Tropical Cyclone Activity



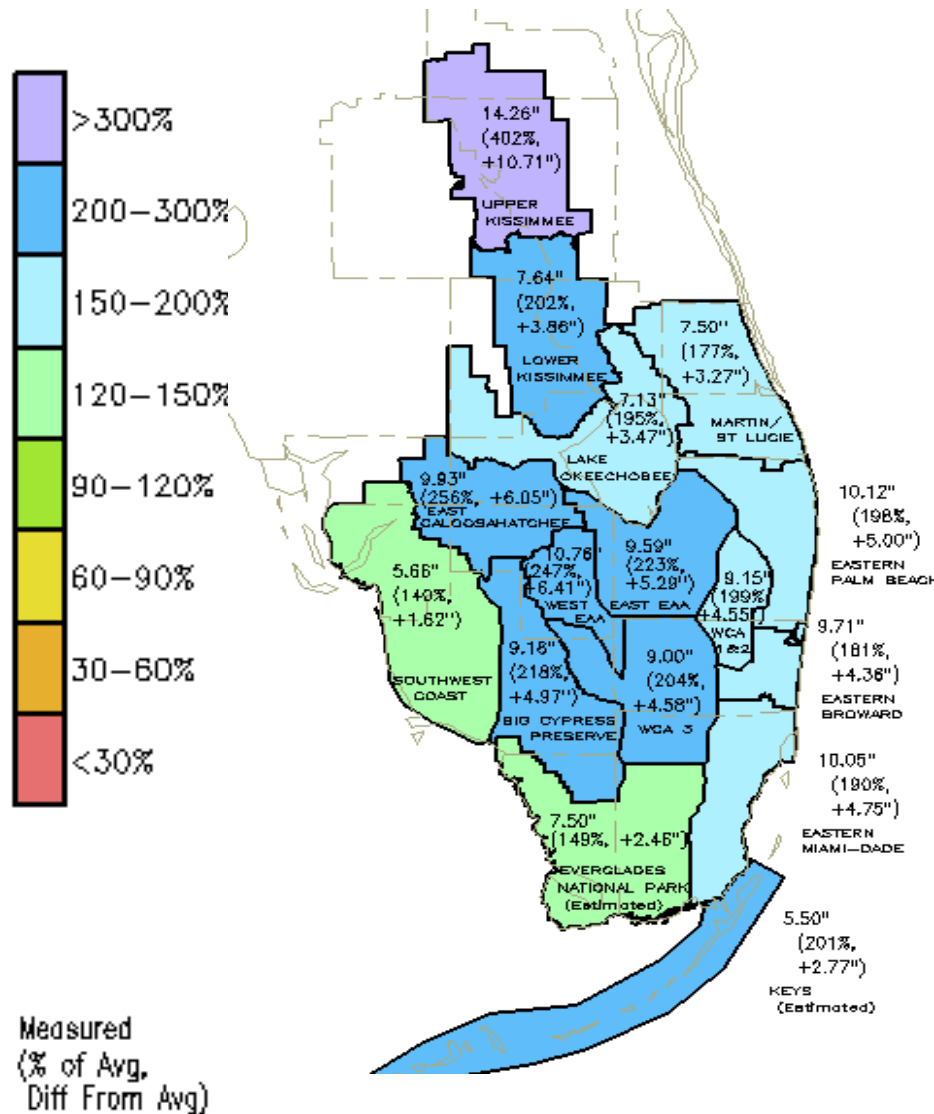
www.hurricanes.gov

48-hour formation potential: Low <30% Medium 30-50% High >50%

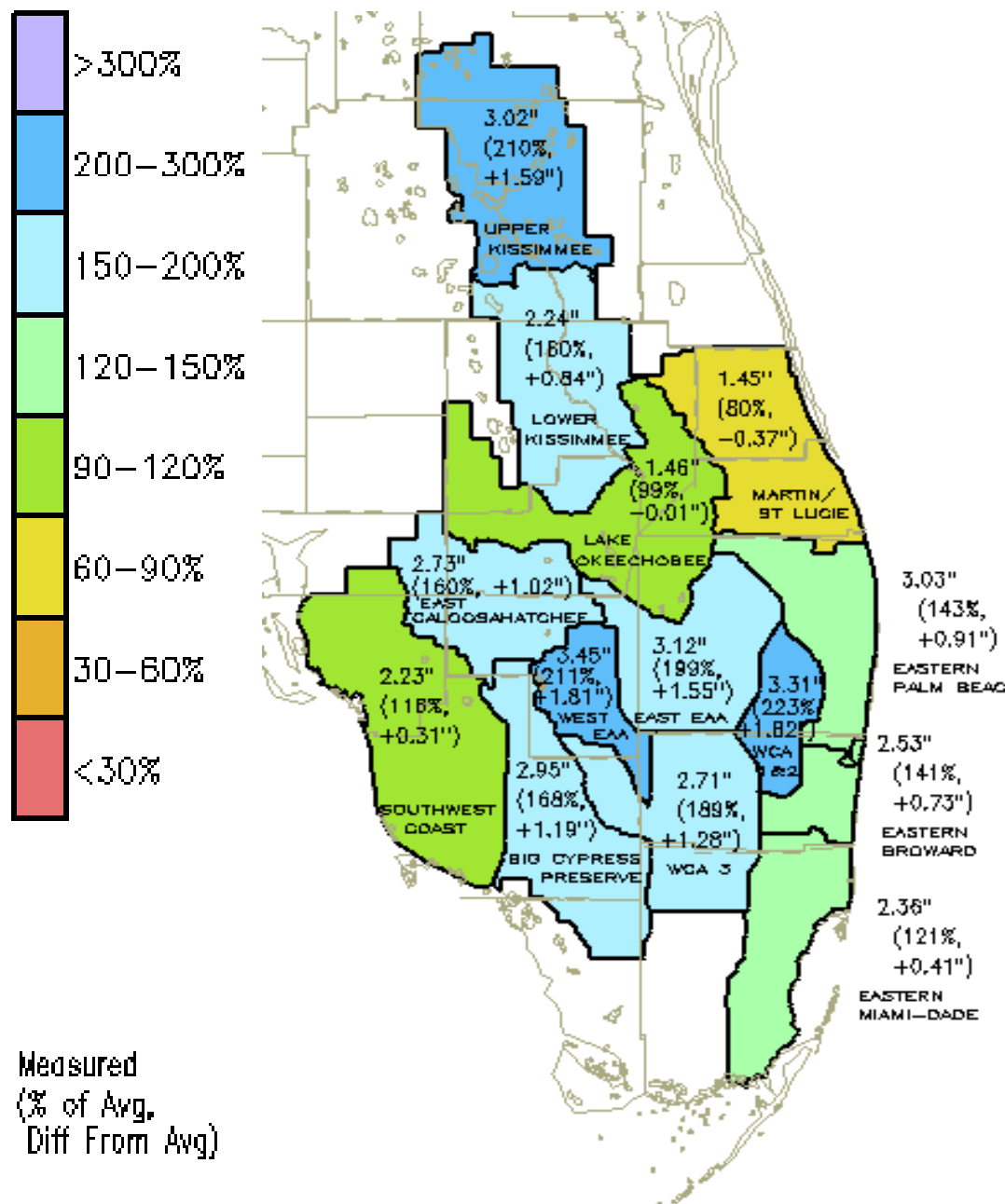
Questions...



Early Start to Wet Season – May 11th



- Received more than 9 inches of rainfall District-wide during first 30 days of wet season (May 14 - Jun 14)
 - Average is 4.1 inches
- Surpassed previous record of 8.95 inches set in 1934



Sept 2009 Rainfall 1 Sept – 9 Sept

DISTRICT-WIDE:
2.49" (151%, +0.85")

Average Aug
= 7.05"